

mv.Enterprise™

The Enterprise MultiValue Solution for UNIX Systems

mv•ENTERPRISE offers the ease of use and hierarchical power of the MultiValue database model with the performance and flexibility of UNIX. The Open Data Architecture and UNIX interoperability tools provide a seamless interface between mv•ENTERPRISE and UNIX. mv•ENTERPRISE features many enhancements for high performance, effective administration and compatibility with other MultiValue environments, providing a near-seamless migration from R83, OA, Ultimate, Prime INFORMATION, Reality and others. The data interchange extensions in mv•ENTERPRISE are the most robust in the industry.

- *Improve MultiValue performance with this efficient, high performance and scalable MultiValue database*
- *Quickly and easily port applications from other MultiValue systems*
- *Leverage the full capabilities of UNIX, with support for a wide variety of hardware peripherals and communication tools*

mv•ENTERPRISE and UNIX

mv•ENTERPRISE users do not need to be UNIX experts because they are shielded from the UNIX environment. At the same time, they benefit from the advanced communication features of UNIX as well as the wide variety of hardware peripherals supported.

mv•ENTERPRISE is designed to fully leverage the capabilities of the UNIX operating system while maintaining compatibility with the easy-to-use MultiValue environment. Each individual mv•ENTERPRISE user is an independent UNIX process, scheduled and controlled by UNIX. In addition to providing complete symmetric multiprocessor (SMP) support, this technique ensures proper load balancing of memory, CPU and other resources between UNIX and mv•ENTERPRISE processes.

UNIX interoperability tools allow mv•ENTERPRISE plus other MultiValue databases and UNIX to cooperatively coexist and share data. Extensions to BASIC allow

UNIX files to be accessed from within the mv•ENTERPRISE environment. UNIX commands may be executed from TCL or Basic programs and mv•ENTERPRISE commands may be executed from UNIX. The ability to redirect or pipe process output between mv•ENTERPRISE and UNIX allows mv•ENTERPRISE processes to utilize UNIX communication facilities. The two environments may share printers.

Reliability and High Availability

mv•ENTERPRISE was designed to maximize system up time. File resizing can be done without a file save/restore. Multi-threaded and/or incremental save and restore functions reduce the time required to save/restore the system.

mv•ENTERPRISE includes a set of support utilities, which track aborts and other system events. The data gathered by these tools allow field problems to be resolved quickly and reliably. This information has also been used to gain insight into how applications use the system. This knowledge has been applied to the mv•ENTERPRISE design to achieve outstanding reliability and performance in real world applications.

Update Logging provides a direct means to resolve event failure in case of system outage. Updates may be written to tape and/or to a hot stand-by machine via an Ethernet connection. mv•ENTERPRISE transaction logging is optimized for high volume systems and can handle instantaneous data influx rates in the 2 GB/hour range.

Optimized Performance

mv•ENTERPRISE Basic and Info/Access include many design enhancements to optimize performance. B-Trees indexing provides improved data access performance. Spooler functions have also been optimized for enhanced throughput. Features such as multi-threaded tape operation, reduced lock contention and improved group/record lock algorithms maximize the benefits of the SMP architecture.

Uncomplicated, Effective Administration

mv•ENTERPRISE administration tools not only provide standard system administration, but also allow for analyzing system performance and problems. Additional tools allow keyboard and screen capture and playback to analyze a user problem. Tandem verb may be used to view and modify another user's process. The ability to have multiple mv•ENTERPRISE databases on the same hardware simplifies testing, training and system upgrades.

Time saving features such as incremental save and restore, multi-threaded tape operations and enhanced POVf overflow handling reduces the time and effort involved in standard administration tasks. The background process scheduler allows system administration tasks to be initiated automatically at a pre-specified day and time.

Scalable for High-End Solutions

mv•ENTERPRISE is nearly limitless in its ability to support high-end business solutions. Up to 10,000 users may access a single database. Disk space can be added to the database without a save/restore cycle. Only a mv•ENTERPRISE shutdown and coldstart is necessary to add the additional disk. Support for multiple CPU and RAM allocation is managed by UNIX; thus, they are limited only by UNIX's capabilities. The spooler supports 32,676 entries, form queues and printers and allows printers to be shared with UNIX.

Open Data Architecture

Open Data Architecture (ODA) is an optional feature that provides a standard mechanism for handling non-file entities as if they were standard mv•ENTERPRISE files. Q-Pointers allow access to MultiValue (Pick) data on a remote system, local UNIX data, CD-ROM data, remote UNIX data or remote DOS data. ODA allows enterprise-wide data to be transparently distributed across multiple systems without making application changes.

Product Features

UNIX Platforms Supported:

- UnixWare (2.1.3 and higher)
- AIX (4.2 and higher)

Advanced Database Features:

- MultiValue database
- R83, OA compatible with extensions for Ultimate, Reality and Prime INFORMATION
- High performance BASIC compiler and run-time with the compiler having saved object capability
- Extended BASIC debugger tool
- Powerful BASIC Development Language than includes many features such as system variables (such as @DATE, @TIME, etc.) and RECORDLOCKED command
- Enhanced English-like Access Query Language with a multitude of modifiers and options such as SAMPLE, MIN, MAX, etc.
- Unlimited item size, file size and MultiValue file opens
- B-Trees indexing
- TCL Stacker
- Optimized overflow management
- NEWPROC (PQN) Support
- File Item Editor (ED)

UNIX Interoperability Features:

- Read/write UNIX files
- Execute UNIX commands from TCL or BASIC programs
- Execute mv•ENTERPRISE commands from UNIX
- Ability to pipe between mv•ENTERPRISE and UNIX
- Shared printers
- Open System File Interface (OSFI) for access to files outside of current mv•ENTERPRISE database

Scalability Features:

- Supports up to 10,000 users
- SMP support provided by UNIX
- Supports up to 8 terabytes of disk in a single database
- Memory managed by UNIX
- Up to 32,767 spooler entries, form queues and printers
- Up to 32 tape devices supported

Optional ODBC Support:

- Access your MultiValue database from many popular ODBC-compliant Windows applications

Administration Features:

- Transaction logging (tape and hot stand-by mv•ENTERPRISE system)
- Robust file resizing utilities
- Multithreaded save/restore
- Tandem, Break
- Warmstop/Warmstart
- Performance monitoring utilities
- Background process scheduling
- Phantom Processes
- Password aging and global logon
- Multiple mv•ENTERPRISE virtual machines possible on one physical system for testing and security reasons
- Save/restore monitoring & VERIFY-SAVE utility
- Add disk without need for file save/restore
- Tape to tape copy & multiple tape attachments
- Level pushing
- Enhanced spooler with support for Reality spooler menu and named form queues
- Reallocation and resize utilities
- Terminal input/output capturing (COMO files)
- NICE command for changing process priority
- VERIFY-DATABASE, line ANALYZE, COMATIZE, GROUP-ANALYZE utilities



Your Authorized Raining Data Reseller is:



**660 West Baker Street, Suite 401
Costa Mesa, CA 92626
714.708.8112
714.708.0525 (fax)
sales@picktrg.com
www.picktrg.com**